

DRAFT PERMIT SUMMARY TABLE

PR0021326

(6-2-2011)

Owner/Operator: Compañía de Parques Nacionales de Puerto Rico

Facility Name: Centro Vacacional y Recreacional Boquerón

Location: Carretera Estatal Número 101 (Final), Cabo Rojo, Puerto Rico 00623

Permit Number: PR0021326

Receiving Water: Laguna Rincón (Classified as SB – Coastal Waters)

<u>Outfall Serial Number</u>	<u>Coordinates</u>	<u>Permitted Flow</u>	<u>Type of Discharge</u>	<u>Reviewed by</u>
001	18 01 00.81; 67 10 13.01	0.02 MGD	Treated Wastewater	JAR (6-2-11)
002	18 00 37.72; 67 10 26.98	0.02 MGD	Treated Wastewater	JAR (6-2-11)

Parameter	Monthly Average				Daily Maximum			
	(WQC)	(WQC)	(Existing Permit)	(Existing Permit)	(WQC)	(WQC)	(Existing Permit)	Existing Permit
	Outfall 001	Outfall 002	Outfall 001	Outfall 002	Outfall 001	Outfall 002	Outfall 001	Outfall 002
BOD ₅ (mg/L)	30.0	30.0	30.0	30.0	---	---	45.0 (7-day average)	45.0 (7-day average)
	Selected Draft Permit Limit – 30.0 (30-day average)				Selected Draft Permit Limit – 45 (7-day average)			
Copper (ug/L)	---	---	---	---	3.73	3.73	2.9	2.9
	---				Selected Draft Permit Limit – 3.73			

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Parameter	Monthly Average				Daily Maximum			
	(WQC)	(WQC)	(Existing Permit)	(Existing Permit)	(WQC)	(WQC)	(Existing Permit)	Existing Permit
	Outfall 001	Outfall 002	Outfall 001	Outfall 002	Outfall 001	Outfall 002	Outfall 001	Outfall 002
Flow [m ³ /day (MGD)]	---	---	---	---	75.71 (0.02)	75.71 (0.02)	75.70 (0.02)	75.70 (0.02)
	---				Selected Draft Permit Limit - 75.71 (0.02)			
Lead (ug/L)	---	---	---	---	8.52	No reasonable potential violation	8.1	8.1
	---				Selected Draft Permit Limit – 8.52 (only for outfall 001)			
Nitrogen (ug/L)	---	---	---	---	5,000	5,000	5,000	5,000
	---				Selected Draft Permit Limit – 5,000			
Residual Chlorine (mg/L)	---	---	---	---	0.50	0.50	0.50	0.50
	---				Selected Draft Permit Limit – 0.50			
Sulfide (ug/L)	---	---	---	---	2	2	2.0	2.0

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	(WQC)	(WQC)	(Existing Permit)	(Existing Permit)	(WQC)	(WQC)	(Existing Permit)	Existing Permit
	Outfall 001	Outfall 002	Outfall 001	Outfall 002	Outfall 001	Outfall 002	Outfall 001	Outfall 002
					Selected Draft Permit Limit – 2			
Sulfates (ug/L)	---	---	---	---	2,800	2,800	---	---
	---				Selected Draft Permit Limit – 2,800			
Surfactants (ug/L)	---	---	---	---	500	500	---	---
	---				Selected Draft Permit Limit – 500			
TSS (mg/L)	---	---	30	30	---	---	45 (7-day average)	45 (7-day average)
	Selected Draft Permit Limit – 30 (30 day average)				Selected Draft Permit Limit – 45 (7-day average)			
Turbidity (NTU)	---	---	---	---	10	10	10	10
	---				Selected Draft Permit Limit – 10			
Zinc (ug/L)	---	---	---	---	85.62	85.62	81	81
	---				Selected Draft Permit Limit – 10			

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Parameter	Monthly Average				Daily Maximum			
	(WQC)	(WQC)	(Existing Permit)	(Existing Permit)	(WQC)	(WQC)	(Existing Permit)	Existing Permit
	Outfall 001	Outfall 002	Outfall 001	Outfall 002	Outfall 001	Outfall 002	Outfall 001	Outfall 002
Phenol	---		---		---		---	
2-Chlorophenol								
2,4-Dichlorophenol								
2,4-Dimethyphenol								
2-Methyl-4,6 Dinitrophenol								
2,4-Dinitrophenol								
2,4,6-Trichlorophenol								
Phenol, 2-Chlorophenol, 2,4- Dichlorophenol, 2,4- Dimethyphenol, 2-Methyl-4,6 Dinitrophenol, 2,4-Dinitrophenol, and 2,4,6-Trichlorophenol – Monitoring for a period of one year was required for this parameters under the existing NPDES permit. These parameters were not included in the WQC. Therefore, the parameters are not included in the draft NPDES permit.								

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(6-2-2011)

Parameter	Narrative Condition			
	(WQC) Outfall 001	(WQC) Outfall 002	(Existing Permit) Outfall 001	(Existing Permit) Outfall 002
BOD ₅ (mg/L) (influent) and BOD ₅ (mg/L) (influent)	---	---	The average 30-day percent removal, monitored simultaneously at the influent and effluent, shall not be less than 85%. (Secondary Treatment Rule)	Same Permit language for Outfall 001.
	<u>Selected Draft Permit Language</u> The average 30-day percent removal, monitored simultaneously at the influent and effluent, shall not be less than 85%. (Secondary Treatment Rule)			
Color	Shall not be altered except by natural causes.	Same as outfall 001.	Same as WQC.	Same as WQC.
	<u>Selected Draft Permit Language</u> Shall not be altered except by natural causes.			
Dissolved Oxygen (mg/l)	Shall not be less than 5.0	Same as outfall 001.	Shall not contain less than 5.0.	Same Permit language for Outfall 001.
	<u>Selected Draft Permit Language</u> Shall not be less than 5.0			
Enterococci	The geometric mean of a series of representative samples [at least five (5)] of the waters taken sequentially shall not exceed 35	Same as outfall 001.	The enterococci density in terms of geometric mean of at least five representative samples taken sequentially shall not exceed 35	Same Permit language for Outfall 001.

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Parameter	Narrative Condition			
	(WQC) Outfall 001	(WQC) Outfall 002	(Existing Permit) Outfall 001	(Existing Permit) Outfall 002
	colonies per 100 mL. No single sample should exceed the upper confidence limit of 75% using 0.7 as the log standard deviation until sufficient site data exist to establish a site-specific log standard deviation.		colonies per 100 mL. No single sample should exceed the upper confidence limit of 75% using 0.7 as the log standard deviation.	
	<u>Selected Draft Permit Language</u> The geometric mean of a series of representative samples [at least five (5)] of the waters taken sequentially shall not exceed 35 colonies per 100 mL. No single sample should exceed the upper confidence limit of 75% using 0.7 as the log standard deviation until sufficient site data exist to establish a site-specific log standard deviation.			
Fecal Coliforms	The coliform geometric mean of a series of representative samples [at least five (5) samples] of the waters taken sequentially shall not exceed 200 colonies per 100 mL, and not more than 20% of the samples shall exceed 400 colonies per 100 mL.	Same as outfall 001.	The coliform geometric mean of a series of representative samples [at least five (5) samples], of the waters taken sequentially shall not exceed 2000 colonies per 100 mL. No more than 20% of the samples shall exceed 4,000 colonies per 100 mL.	Same Permit language for Outfall 001.
	<u>Selected Draft Permit Language</u> The coliform geometric mean of a series of representative samples [at least five (5) samples] of the waters taken			

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	(WQC) Outfall 001	(WQC) Outfall 002	(Existing Permit) Outfall 001	(Existing Permit) Outfall 002
	sequentially shall not exceed 200 colonies per 100 mL, and not more than 20% of the samples shall exceed 400 colonies per 100 mL.			
Flow	All flow measurements shall achieve accuracy within the range of $\pm 10\%$ (BPJ)	Same as outfall 001.	All flow measurements shall achieve accuracy within the range of $\pm 10\%$ (BPJ)	Same Permit language for Outfall 001.
	<u>Selected Draft Permit Language</u> All flow measurements shall achieve accuracy within the range of $\pm 10\%$ (BPJ)			
Oil and Grease	The waters of Puerto Rico shall be substantially free from floating non-petroleum oils and greases as well as petroleum derived oil and greases.	Same as outfall 001.	The waters of Puerto Rico shall be substantially free from floating non-petroleum and greases as well as petroleum derived oil and greases.	Same Permit language for Outfall 001.
	<u>Selected Draft Permit Language</u> The waters of Puerto Rico shall be substantially free from floating non-petroleum oils and greases as well as petroleum derived oil and greases.			
pH	Shall always lie between 7.3 SU and 8.5 SU.	Same as outfall 001.	Shall always lie between 7.3 SU and 8.5 SU.	Same Permit language for Outfall 001.
	<u>Selected Draft Permit Language</u> Shall always lie between 7.3 SU and 8.5 SU.			

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Parameter	Narrative Condition			
	(WQC) Outfall 001	(WQC) Outfall 002	(Existing Permit) Outfall 001	(Existing Permit) Outfall 002
Solids and Other Matter	The waters of Puerto Rico shall not contain floating debris, scum or other floating materials attributable to discharges in amounts sufficient to be unsightly or deleterious to the existing or designated uses of the water body.	Same as outfall 001.	The waters of Puerto Rico shall not contain floating debris, scum or other floating materials attributable to discharges in amounts sufficient to be unsightly or deleterious to the existing or designated uses of the water body.	Same Permit language for Outfall 001.
	<u>Selected Draft Permit Language</u> The waters of Puerto Rico shall not contain floating debris, scum or other floating materials attributable to discharges in amounts sufficient to be unsightly or deleterious to the existing or designated uses of the water body.			
Suspended, Colloidal or Settleable Solids	Solids from wastewater sources shall not cause deposition in or be deleterious to the existing or designated uses of the waters.	Same as outfall 001.	Solids from wastewater sources shall not cause deposition in or be deleterious to the existing or designated uses of the waters.	Same Permit language for Outfall 001.
	<u>Selected Draft Permit Language</u> Solids from wastewater sources shall not cause deposition in or be deleterious to the existing or designated uses of the waters.			

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	(WQC) Outfall 001	(WQC) Outfall 002	(Existing Permit) Outfall 001	(Existing Permit) Outfall 002
Taste and Odor Producing Substances	Shall not be present in amounts that will interfere with primary contact recreation, or will render any undesirable taste or odor to edible aquatic life.	Same as outfall 001.	Shall not be present in amounts that will interfere with the use for potable water supply or will render any undesirable taste or odor to edible aquatic life.	Same Permit language for Outfall 001.
	<u>Selected Draft Permit Language</u> Shall not be present in amounts that will interfere with primary contact recreation, or will render any undesirable taste or odor to edible aquatic life.			
Temperature	No heat may be added to the waters of Puerto Rico, which would cause the temperature of any site to exceed 90° F (32.2° C).	Same as outfall 001.	Except by natural causes, no heat may be added to the waters of Puerto Rico which would cause the temperature of any site to exceed 90° F (32.2° C). No thermal discharge or combination of thermal discharges into or onto the surface, estuarine and coastal waters shall be injurious to fish or shellfish or the culture or propagation of a balance indigenous population there of nor in any way affect the designated uses,	Same Permit language for Outfall 001.

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	(WQC) Outfall 001	(WQC) Outfall 002	(Existing Permit) Outfall 001	(Existing Permit) Outfall 002
	<u>Selected Draft Permit Language</u> No heat may be added to the waters of Puerto Rico, which would cause the temperature of any site to exceed 90° F (32.2° C).			
TSS (mg/L) (influent) and TSS (mg/L) (influent)	---	---	The average 30-day percent removal, monitored simultaneously at the influent and effluent, shall not be less than 85%. (Secondary treatment rule)	Same Permit language for Outfall 001.
	<u>Selected Draft Permit Language</u> The average 30-day percent removal, monitored simultaneously at the influent and effluent, shall not be less than 85%. (Secondary treatment rule)			
Special Conditions	See attached sheets, which contain special conditions that constitute part of this certification.	Same as outfall 001.	See attached sheet which contains special conditions that constitute part of this permit.	Same Permit language for Outfall 001.
	<u>Selected Draft Permit Language</u> See attached sheets, which contain special conditions that constitute part of this certification.			